Application No. 10/018,860
Reply to Office Action of July 18, 2003

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-4 (Cancelled).

Claim 5 (Currently Amended): A liquid crystal alignment film containing a polyimide obtained by reacting a diamine containing at least 1 mol% of a diaminobenzene derivative represented by the general formula (1):

(wherein each of X and P which are independent of each other, is a single bond or a bivalent organic group selected from -O-, -COO-, -COO-, -COOH- and -NHCO-, Q is a C_{1-22} straight chain alkyl group or straight chain fluoroalkyl group with the proviso that when X is oxygen, P cannot be a single bond, a is an integer of from 1 to 4 and represents the number of substituents, R is a substituent selected from fluorine, a methyl group and a trifluoromethyl group, and b is an integer of from 0 to 4 and represents the number of substituents), with at least one compound selected from a tetracarboxylic dianhydride and its derivatives, to obtain a polyimide precursor having a reduced viscosity of from 0.05 to 5.0 d ℓ /g (in N-methylpyrrolidone at a temperature of 30°C, concentration: 0.5 g/d ℓ) and ring-closing it, and having a repeating unit represented by the general formula (2):

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(wherein A is a tetravalent organic group constituting a tetracarboxylic acid, and B is a bivalent organic group constituting a diamine).

Claim 6 (original): The liquid crystal alignment film according to Claim 5, wherein the tetracarboxylic dianhydride is an alicyclic tetracarboxylic dianhydride.

Claim 7 (original): The liquid crystal alignment film according to Claim 6, wherein the alicyclic tetracarboxylic dianhydride is at least one tetracarboxylic dianhydride selected from 1,2,3,4-cyclobutane tetracarboxylic dianhydride, bicyclo[3,3,0]-octane tetracarboxylic dianhydride, 3,4-dicarboxy-1,2,3,4-tetrahydro-1-naphthalene succinic dianhydride and 3,5,6-tricarboxynorbornane-2:3,5:6 dianhydride.

8. (Previously Presented) The liquid crystal alignment film according to Claim 5, wherein

X is a single bond or a bivalent organic group selected from -COO-, -OCO-, -CONH- and -NHCO-; and

P is a single bond or a bivalent organic group selected from -O-, -COO-, -CONH- and -NHCO-.

9. (New) The liquid crystal alignment film according to Claim 5, wherein X is a single bond.

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- 10. (New) The liquid crystal alignment film according to Claim 5, wherein X is a bivalent organic group selected from -COO-, -OCO-, -CONH- and -NHCO-.
- 11. (New) The liquid crystal alignment film according to Claim 5, wherein X is a COO- group.
- 12. (New) The liquid crystal alignment film according to Claim 5, wherein X is a OCO- group.
- 13. (New) The liquid crystal alignment film according to Claim 5, wherein X is a CONH- group.
- 14. (New) The liquid crystal alignment film according to Claim 5, wherein X is a NHCO- group.
- 15. (New) The liquid crystal alignment film according to Claim 5, wherein P is a single bond.
- 16. (New) The liquid crystal alignment film according to Claim 5, wherein P is a O- group.
- 17. (New) The liquid crystal alignment film according to Claim 5, wherein P is a bivalent organic group selected from -COO-, -OCO-, -CONH- and -NHCO-.

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- 18. (New) The liquid crystal alignment film according to Claim 5, wherein P is a COO- group.
- 19. (New) The liquid crystal alignment film according to Claim 5, wherein P is a OCO- group.
- 20. (New) The liquid crystal alignment film according to Claim 5, wherein P is a CONH- group.
- 21. (New) The liquid crystal alignment film according to Claim 5, wherein P is a NHCO- group.--